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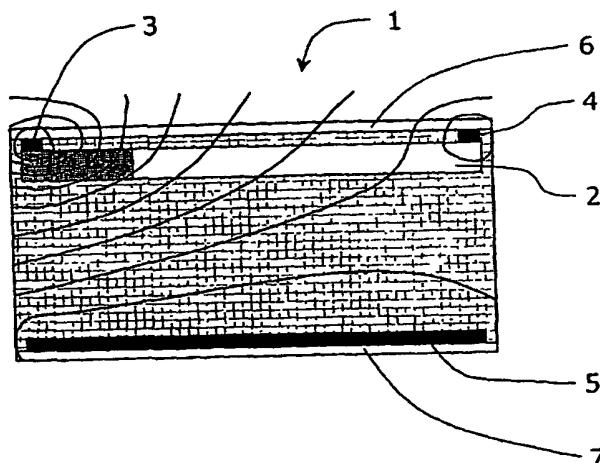
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ning of each regular issue of the PCT Gazette.

(54) Title: AN ELECTROCHROMIC DISPLAY WITH ANALOG GRAY SCALE



(57) **Abstract:** A display device comprising a plurality of independently addressable pixels (1). Each pixel comprises: a first substrate (6); a second substrate (7); an electrochromic material (2) disposed between said first substrate (6) and said second substrate (7). At least two independent electrodes (3, 4) are associated with said first substrate (6). An independent counter-electrode (5) is associated with said second substrate (7). Each respective electrode is connected to an independently controllable voltage source. The display device has means for controlling the voltage applied to each respective electrode (3, 4, 5) for producing non-uniform electric fields in each pixel (1), for causing partial switching of the electrochromic material (2) from a first state to a second state to generate an area-ratio-defined pixel gray level.

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